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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.        | CONFIRMATION NO.       |
|---|-------------|----------------------|----------------------------|------------------------|
| 10/719,724  | 11/21/2003  | Thomas J. Gilg       | 200308974-1                | 3164                   |
| 22879 7590 09/06/2007<br>HEWLETT PACKARD COMPANY<br>P O BOX 272400, 3404 E. HARMONY ROAD<br>INTELLECTUAL PROPERTY ADMINISTRATION<br>FORT COLLINS, CO 80527-2400 |             |                      | EXAMINER<br>ABEDIN, SHANTO |                        |
|   |             |                      | ART UNIT<br>2136           | PAPER NUMBER           |
|   |             |                      | MAIL DATE<br>09/06/2007    | DELIVERY MODE<br>PAPER |

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

|                              |                                      |  |  |
|------------------------------|--------------------------------------|--|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/719,724 | <b>Applicant(s)</b><br>GILG, THOMAS J. |  |
|                              | <b>Examiner</b><br>Shanto M Z Abedin | <b>Art Unit</b><br>2136                |  |

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 June 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 9-16 and 20-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 9-16 and 20-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/21/2003</u> . | 6) <input type="checkbox"/> Other: _____  |

***DETAILED ACTION***

1. This office action is in response to the correspondence filed on 06/ 12/2007.
2. The applicant elected claims 9-16 and 20-25 without traverse in response to the previous election/ election requirement.
3. Claims 9-16 and 20-25 are now pending in the application.
4. Claims 9-16 and 20-25 have been rejected.

***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 11-12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In particularly, claims 11 and 12 recite the limitations such as “plurality of decryption devices” respective to plurality of pixels, however, NOWHERE in the specification, such “plurality of decryption devices” respective to plurality or each pixels are described. Therefore, it is not clear what actually meant by “the decryption device is a plurality of decryption devices” or “the decryption devices ...respective one of the pixels”.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 9-10, 13-16, 20-25 are rejected under 35 USC 102 (e) as being anticipated by Hayashi (US 2004/0081334 A1).

***Regarding claim 9, Hayashi*** teaches a digital picture display device comprising:  
a plurality of pixel elements arranged in an array and adapted to display picture information (Par [0003], [0049], [0055]; Fig 2A, 3A; arrangements/ storing of the image elements); and  
at least one decryption device adapted to decrypt picture information for at least a first portion of the pixel elements with a first decryption key and to decrypt picture information for at least a second portion of the pixel elements with a second decryption key (Par [0006]-[0008], [0015], [0143]-[0144]; claims 13-14; decryption key respective to each image tile).

***Regarding claim 20, Hayashi*** teaches a method for receiving encrypted picture information, comprising:

providing a display device having a plurality of pixels organized into an array and adapted to display picture information (Par [0003], [0049], [0055]; Fig 2A, 3A; arrangements/ storing of the image elements);

receiving a data stream of digital picture information (Par [0019], [0049], [0055]; data stream);

decrypting the data stream of digital picture information with a plurality of the encryption keys to obtain a plurality of portions of picture information for each respective one of the plurality of encryption keys (Par [0006]-[0008], [0015], [0143]-[0144]; claims 13-14; decryption key respective to each image tile); and

dispatching each of the plurality of portions to respective ones of a plurality of different pixel groups in the array (Par [0008]-[0014], [0015], [0143]-[0144]; encoding/ decoding group of tiles).

***Regarding claim 10, Hayashi*** teaches the digital picture display device according to claim 9, wherein: the first portion is a first single pixel element; and the second portion is a second single pixel element; wherein the decryption device is adapted to decrypt picture information for each of the pixel elements with a different decryption key (Par [0006]-[0008], [0015], [0143]-[0144]; claims 13-14).

***Regarding claim 13, Hayashi*** teaches the digital picture display device according to claim 9, wherein the first portion is a first plurality of pixels and the second portion is a second plurality of pixels (Par [0006]-[0008], [0015], [0143]).

***Regarding claim 14, Hayashi*** teaches the digital picture display device according to claim 13, wherein the decryption device is a single component that decrypts the first portion with the first

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decryption key and decrypts the second portion with the second decryption key (Par [0006]-[0008], [0015], [0143]).

***Regarding claim 15, Hayashi*** teaches the digital picture display device further comprising: pixel logic adapted to receive decrypted picture information for the first portion from the decryption device and to receive decrypted picture information for the second portion from the decryption device and to dispatch the picture information for the first portion of pixel elements to the decryption device and to dispatch the picture information for the second portion to the second portion of pixel elements to the decryption device (Par [0006]-[0008], [0015], [0143]).

***Regarding claim 16, Hayashi*** teaches the digital picture display device according to claim 9, wherein the array is a picture gathering device of a digital camera (Par [0006]-[0008], [0141]-[0143]; camera).

***Regarding claim 23, Hayashi*** teaches a micro electronic device, comprising: an array of display pixels collectively configured to display visible images; and a plurality of decryption logic components, each decryption logic component associated with different group of the display pixels and configured to decrypt video data directed to the respective group of display pixels (Par [0003], [0008]-[0014], [0015]).

***Regarding claims 21-22,*** they recite the limitations of claims 9-10 and 20, therefore, they are rejected applying as above rejecting claims 9-10, 20.

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*Regarding claims 24-25*, they recite the limitations of claims 9-10, 20 and 23, therefore, they are rejected applying as above rejecting claims 9-10, 20 and 23.

***Conclusion***

7. A shortened statutory period for response to this action is set to expire in 3 (Three) months and 0 (Zero) days from the mailing date of this letter. Failure to respond within the period for response will result in ABANDONMENT of the application (see 35 U.S.C 133, M.P.E.P 710.02(b)).


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shanto M Z Abedin whose telephone number is 571-272-3551. The examiner can normally be reached on M-F from 9:00 AM to 5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Moazzami Nasser, can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shanto M Z Abedin

Examiner, AU 2136

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09,02,07